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PASSWORD:

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NEWS 7 FEB 16 INPADOCDB and INPAFAMDB Enriched with New Content  
and Features  
NEWS 8 FEB 16 INSPEC Adding Its Own IPC codes and Author's E-mail  
Addresses  
NEWS 9 APR 02 CAS Registry Number Crossover Limits Increased to  
500,000 in Key STN Databases  
NEWS 10 APR 02 PATDPAFULL: Application and priority number formats  
enhanced  
NEWS 11 APR 02 DWPI: New display format ALLSTR available  
NEWS 12 APR 02 New Thesaurus Added to Derwent Databases for Smooth  
Sailing through U.S. Patent Codes  
NEWS 13 APR 02 EMBASE Adds Unique Records from MEDLINE, Expanding  
Coverage back to 1948  
NEWS 14 APR 07 CA/CAplus CLASS Display Streamlined with Removal of  
Pre-IPC 8 Data Fields  
NEWS 15 APR 07 50,000 World Traditional Medicine (WTM) Patents Now  
Available in CAplus  
NEWS 16 APR 07 MEDLINE Coverage Is Extended Back to 1947  
NEWS 17 JUN 16 WPI First View (File WPIFV) will no longer be  
available after July 30, 2010  
NEWS 18 JUN 18 DWPI: New coverage - French Granted Patents  
NEWS 19 JUN 18 CAS and FIZ Karlsruhe announce plans for a new  
STN platform  
NEWS 20 JUN 18 IPC codes have been added to the INSPEC backfile  
(1969-2009)  
NEWS 21 JUN 21 Removal of Pre-IPC 8 data fields streamline displays  
in CA/CAplus, CASREACT, and MARPAT  
NEWS 22 JUN 21 Access an additional 1.8 million records exclusively  
enhanced with 1.9 million CAS Registry Numbers --  
EMBASE Classic on STN  
NEWS 23 JUN 28 Introducing "CAS Chemistry Research Report": 40 Years  
of Biofuel Research Reveal China Now Atop U.S. in

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NEWS 24 JUN 29 Patenting and Commercialization of Bioethanol  
Enhanced Batch Search Options in DGENE, USGENE,  
and PCTGEN

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,  
AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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FILE 'HOME' ENTERED AT 12:07:11 ON 15 JUL 2010

$\Rightarrow$

## Uploading

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Do you want to  
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Switching to the Registry File...

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## => FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 12:07:32 ON 15 JUL 2010  
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STRUCTURE FILE UPDATES: 14 JUL 2010 HIGHEST RN 1232137-41-5  
DICTIONARY FILE UPDATES: 14 JUL 2010 HIGHEST RN 1232137-41-5

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TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

Please note that search-term pricing does apply when

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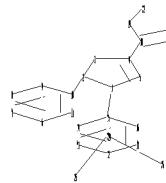
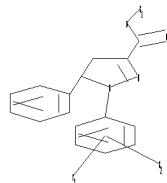
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10589743a.str



chain nodes :

18 19 20 22 25 26

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

chain bonds :

1-15 2-10 4-18 18-19 18-20 19-22

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11 12-13 12-17 13-14

14-15 15-16 16-17

exact/norm bonds :

1-2 1-5 1-15 4-5 18-19 18-20 19-22

exact bonds :

2-3 2-10 3-4 4-18

normalized bonds :

6-7 6-11 7-8 8-9 9-10 10-11 12-13 12-17 13-14 14-15 15-16 16-17

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isolated ring systems :  
containing 1 : 6 : 12 :

G1:H,CH3,Et,n-Pr,Ak

G2:X,A,Ak,CF2,CF3,CN,SO2,NH2,NO2

Match level :

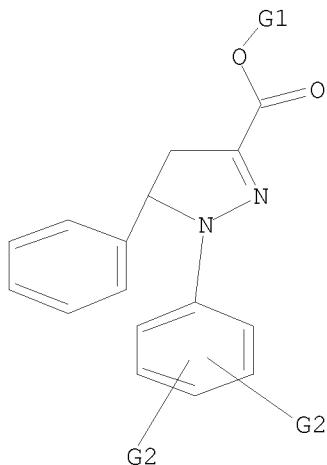
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS  
20:CLASS 22:CLASS 25:CLASS 26:CLASS 28:Atom 29:Atom

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



G1 H,Me,Et,n-Pr,Ak

G2 X,A,Ak,CF2,CF3,CN,SO2,NH2,NO2

Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 12:07:53 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1246 TO ITERATE

100.0% PROCESSED 1246 ITERATIONS  
SEARCH TIME: 00.00.01

2 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 22803 TO 27037  
PROJECTED ANSWERS: 2 TO 124

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L2 2 SEA SSS SAM L1

```
=> s 11 sss full
FULL SEARCH INITIATED 12:08:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      24329 TO ITERATE
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100.0% PROCESSED 24329 ITERATIONS 82 ANSWERS  
SEARCH TIME: 00.00.01

L3 82 SEA SSS FUL L1

FILE 'HCAPLUS' ENTERED AT 12:08:06 ON 15 JUL 2010  
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FILE COVERS 1907 - 15 Jul 2010 VOL 153 ISS 3  
FILE LAST UPDATED: 14 Jul 2010 (20100714/ED)  
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2010  
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2010

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2010.

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<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13  
L4 74 L3

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=> s 14 and PY<=2004  
      25158662 PY<=2004  
L5          2 L4 AND PY<=2004
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=> d 15 ibib abs hitstr tot

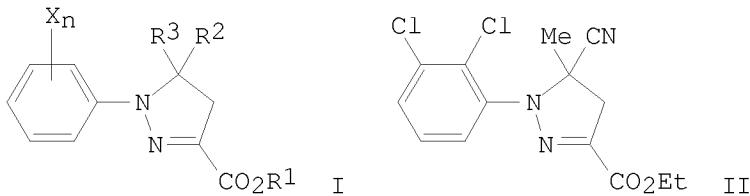
L5 ANSWER 1 OF 2 HCPLUS COPYRIGHT 2010 ACS on STN  
 ACCESSION NUMBER: 1991:492261 HCPLUS  
 DOCUMENT NUMBER: 115:92261  
 ORIGINAL REFERENCE NO.: 115:15883a,15886a  
 TITLE: Preparation of 1-phenylpyrazoline-3-carboxylates as herbicide safeners  
 INVENTOR(S): Roesch, Wolfgang; Sohn, Erich; Bauer, Klaus;  
 Bieringer, Hermann  
 PATENT ASSIGNEE(S): Hoechst A.-G., Germany  
 SOURCE: Ger. Offen., 12 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3939503	A1	19910606	DE 1989-3939503	19891130 <--
WO 9107874	A1	19910613	WO 1990-EP2020	19901126 <--
W: AU, CA, HU, JP, KR, SU, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
AU 9168863	A	19910626	AU 1991-68863	19901126 <--
AU 653506	B2	19941006		
HU 60593	A2	19921026	HU 1992-1797	19901126 <--
HU 218970	B	20010129		
JP 05503086	T	19930527	JP 1991-500106	19901126 <--
JP 3088456	B2	20000918		
EP 635996	A1	19950201	EP 1990-917518	19901126 <--
EP 635996	B1	19980211		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE				
AT 163124	T	19980215	AT 1990-917518	19901126 <--
ES 2114862	T3	19980616	ES 1990-917518	19901126 <--
HU 218970	B	20010129	HU 1997-92017	19901126 <--
CA 2069901	C	20011030	CA 1990-2069901	19901126 <--
RU 2228619	C2	20040520	RU 1990-5052227	19901126 <--
IL 96496	A	19941229	IL 1990-96496	19901128 <--
CN 1052115	A	19910612	CN 1990-109551	19901129 <--
CN 1051078	C	20000405		
ZA 9009591	A	19910925	ZA 1990-9591	19901129 <--
LV 10359	B	19960220	LV 1993-307	19930507 <--
LT 3372	B	19950825	LT 1993-711	19930625 <--
US 5700758	A	19971223	US 1995-468850	19950606 <--
US 5703008	A	19971230	US 1995-476065	19950607 <--
PRIORITY APPLN. INFO.:			DE 1989-3939503	A 19891130
			WO 1990-EP2020	A 19901126
			US 1992-848998	B3 19920421

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 115:92261

GI



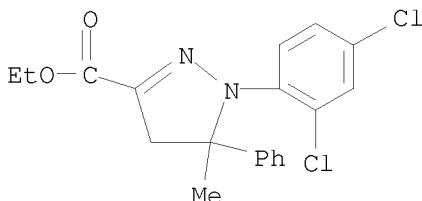
AB The title compds. [I; X = halo, haloalkyl; n = 1-3; R1 = H, alkyl, cycloalkyl, trialkylsilyl, trialkylsilylmethyl, alkoxyalkyl; R2, R3 = H, alkyl, cycloalkyl, alkenyl, alkynyl, haloalkyl, alkoxyalkyl, hydroxyalkyl, alkoxycarbonyl, alkylcarbonyl, alkylaminocarbonyl, halo, cyano, (substituted) Ph; R2R3 = atoms to form a ring], were prepared. Thus, methacrylonitrile and Et<sub>3</sub>N at 70° were treated with Et 2-chloroglyoxalate 2,3-dichlorophenylhydrazone in dimethoxy ethane over 0.5 h; the mixture was stirred 4 h at 80° to give title compound II. II at 1.25 kg/ha reduced damage to wheat caused by 2.0 kg/ha Et feroxaprop from 70% to 30%. Other I gave complete protection.

IT 135590-92-0P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of, as herbicide safener)

RN 135590-92-0 HCPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-5-phenyl-, ethyl ester (CA INDEX NAME)



OS.CITING REF COUNT: 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD  
(9 CITINGS)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 2 HCPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1989:23882 HCPLUS

DOCUMENT NUMBER: 110:23882

ORIGINAL REFERENCE NO.: 110:4041a, 4044a

TITLE: Insecticidal pyrazolinecarboxanilides, and their compositions and use in insect control

INVENTOR(S): Stevenson, Thomas Martin

PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co., USA

SOURCE: PCT Int. Appl., 145 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

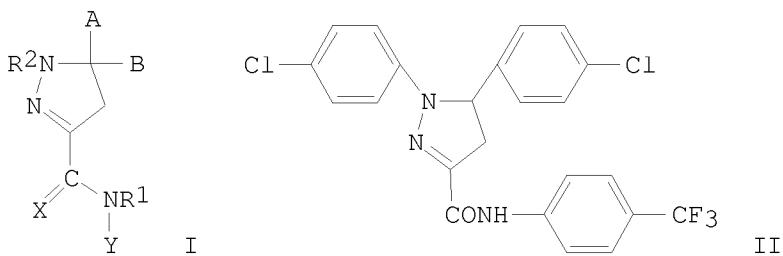
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8805046	A2	19880714	WO 1988-US1	19880104 <--
WO 8805046	A3	19880811		
W: SD, US				
EP 330678	A1	19890906	EP 1988-900910	19871214 <--
EP 330678	B1	19901024		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
ES 2008408	A6	19890716	ES 1988-6	19880104 <--
CN 88100104	A	19880720	CN 1988-100104	19880105 <--
ZA 8800040	A	19890927	ZA 1988-40	19880105 <--
US 5091405	A	19920225	US 1989-378529	19890512 <--
PRIORITY APPLN. INFO.:				
		US 1987-326	A1	19870105
		US 1987-113530	A1	19871028
		WO 1988-US1	W	19880104

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 110:23882

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AB The title compds. [I; R1 = substituted Ph; R2 = (un)substituted Ph; X = O, S; Y = H, alkyl, alkoxyalkyl, alkylthio, haloalkylthio, alkoxycarbonyl, CHO, alkanoyl, haloalkanoyl, (un)substituted PhS; A = H, alkyl, cyano, CO<sub>2</sub>R<sub>3</sub>, COR<sub>3</sub>, CONR<sub>3</sub>R<sub>4</sub>, CSNR<sub>3</sub>R<sub>4</sub>, C(S)R<sub>3</sub>, CS<sub>2</sub>R<sub>3</sub>, (un)substituted Ph; B = H, alkyl, haloalkyl, alkoxyalkyl, cyanoalkyl, alkoxycarbonylalkyl, alkenyl, alkynyl, alkoxycarbonyl, (un)substituted Ph, PhCH<sub>2</sub>; R3 = (halo)alkyl, (halo)alkenyl, (halo)alkynyl, alkoxyalkyl, alkylthioalkyl, nitroalkyl, cyanoalkyl, alkoxycarbonylalkyl, (halo)cycloalkyl, (un)substituted Ph, PhCH<sub>2</sub>; R4 = H, alkyl; R<sub>3</sub>R<sub>4</sub> = (CH<sub>2</sub>)<sub>4</sub>, (CH<sub>2</sub>)<sub>5</sub>, CH<sub>2</sub>CH<sub>2</sub>OCH<sub>2</sub>CH<sub>2</sub>] are prepared as insecticides. Reaction of 4-C<sub>1</sub>C<sub>6</sub>H<sub>4</sub>NNH:CC<sub>1</sub>CO<sub>2</sub>Et (preparation given) with 4-C<sub>1</sub>C<sub>6</sub>H<sub>4</sub>CH:CH<sub>2</sub> via formation and dipolar cycloaddn. of a nitrile-imine (Et<sub>3</sub>N in C<sub>6</sub>H<sub>6</sub>) gave Et 1,5-bis(4-chlorophenyl)-4,5-dihydro-1H-pyrazole-3-carboxylate, which was saponified, converted to the acid chloride, amidated with 4-H<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>CF<sub>3</sub> to give pyrazolinecarboxanilide II. A formulation contained 10% II on attapulgite granules. As a spray at 0.55 kg/ha II gave ≥80% kill of *Spodoptera frugiperda* larvae.

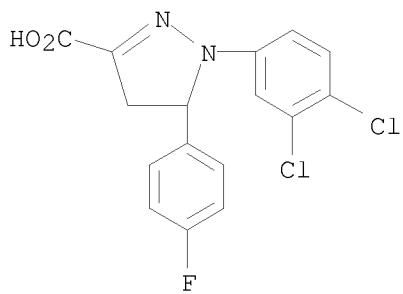
IT 118010-91-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation and conversion of, to acid chloride)

RN 118010-91-6 HCAPLUS

CN 1H-Pyrazole-3-carboxylic acid, 1-(3,4-dichlorophenyl)-5-(4-fluorophenyl)-4,5-dihydro- (CA INDEX NAME)

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OS.CITING REF COUNT: 26 THERE ARE 26 CAPLUS RECORDS THAT CITE THIS RECORD (29 CITINGS)

=> log y COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	20.35	212.11
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.70	-1.70

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